

ABSTRACT OF THE DISCLOSURE

Heat-storing medium

Normally granulates of rare earth compounds are used as a heat-storing medium for a low-temperature range below 15 Kelvin. The material costs for rare earths are high. Further, rare earths are magnetic and thus not suitable for all applications. The heat-storing medium according to the invention for a very low temperature range is composed of a set (22) of pourable and gastight sealed hollow bodies (30), wherein each hollow body (30) contains a fill (34) of a low-boiling gas as a storing medium, and the hollow body wall (32) is made of metal. Thus a relatively inexpensive heat-storing medium is provided whose physical, chemical, magnetic and mechanical properties can be adapted to the respective use by corresponding material selection.

(Fig. 2)